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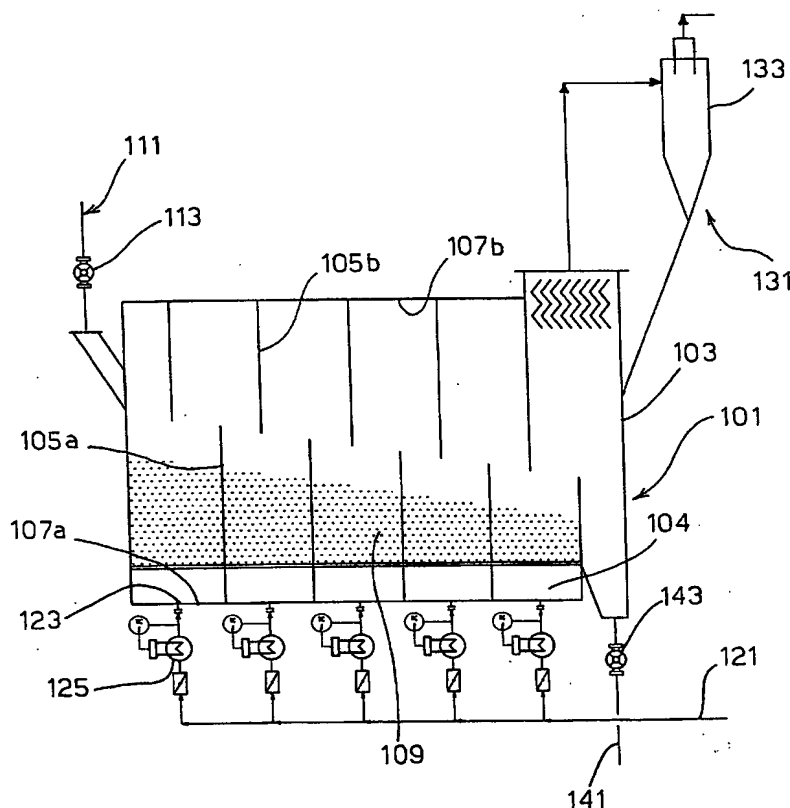
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(54) Title: REACTOR AND PROCESS FOR SOLID PHASE CONTINUOUS POLYMERISATION OF POLYETHYLENE TEREPHTHALATE (PET)



(57) Abstract: A reactor and a process for solid phase continuous polymerisation of polyethylene terephthalate (PET) in order to achieve an increase of the intrinsic viscosity (I.V.) of a low molecular weight PET pre-polymers flow, wherein the formation of a plurality of fluidised stages in series (109; 309) is provided, being said PET pre-polymers flow fed into said fluidised stages in series (109; 309) and being an inert gas flow fed either in cross-flow or in counter-current flow with respect to said PET pre-polymers flow.



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